| Index of Claims |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| Application/Control No. | Applicant(s)/Patent under Reexamination |  |
|-------------------------|---|--|
| 10/730,561              | GOVIL ET AL.                            |  |
| Examiner                | Art Unit                                |  |
| Edward J. Webman        | 1616                                    |  |

|   | Rejected | _ | (Through numeral)<br>Cancelled |
|---|----------|---|--------------------------------|
| : | Allowed  | ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Claim Date      |          |         |         |          |   |    | Claim Date |          |          |                |          |                     |                |          |               | CI        | aim | Date    |         |           |                         |          |           |          |  |                |            |          |          |                |          |  |  |          |          |               |
|-----------------|----------|---------|---------|----------|---|----|------------|----------|----------|----------------|----------|---------------------|----------------|----------|---------------|-----------|-----|---------|---------|-----------|-------------------------|----------|-----------|----------|--|----------------|------------|----------|----------|----------------|----------|--|--|----------|----------|---------------|
|                 |          | -       | Т       |          |   | Т  | Ť          | all      | Ť        | Т              | 1        | $\dashv$            | <del>  '</del> | 710      |               |           |     |         |         |           |                         |          |           |          | <del>                                     </del> | Г              | Т          | т.       | <u> </u> | Ť              |          | _  | _  |          |          |               |
| Final           | Original | 07      | - 1     |          |   |    |            |          |          |                |          |                     | i i            |          | Original      | 07        |     |         |         |           |                         |          |           |          |  | Final          | Original   | 107      |          |                |          |  |  |          |          |               |
|                 | 1_       | ī       | 1       |          |   |    |            |          |          |                |          |                     |                |          | 51            | بد        | ·   |         |         | I         |                         |          |           |          | ]  |                | 101        | >        |          |                |          |  |  |          |          |               |
|                 | 2        | ı       | I       |          |   |    | $\perp$    |          |          |                |          |                     |                |          | 52            | L         |     | $\perp$ |         | Ι         | $\Box$                  |          |           |          | ]  |                | 102        |          |          |                |          |  |  |          |          |               |
|                 | 3        | Ц       |         |          |   | L  | $\perp$    |          |          |                | $\perp$  | Ш                   |                |          | 53            | Ц         | L   |         | $\perp$ | 1         | $\perp$                 |          |           |          | _  |                | 103        | Ш        |          |                | _        |  |  |          |          |               |
|                 | 4        | Ц       | 1       |          |   | L  | $\perp$    |          |          | L              | 1_       | Ш                   | _              |          | 54            |           | L   | 1       | ┸       | 1         | _                       | $\perp$  |           | _        | 1  |                | 104        | Ц        | 匚        | $oxed{}$       |          |  | _  |          | _        |               |
|                 | 5        | Ц       | 1       | _        |   | Ļ  | _          |          | L_       | L              | L        | Ш                   | ļ              | _        | 55            | Ц         | Ļ   | 4       | 4       | 4         | _                       | _        | _         |          | 4  | <u> </u>       | 105        | Н        | <u> </u> | ┞              | Ļ        | <u> </u>   | _  | _        | _        |               |
|                 | 6        | Ц       | 1       | _        | L | Ļ  | 4          |          |          |                |          | Ш                   | <u> </u>       |          | 56            | =         | ╵   | 1       | 1       | 4         | 4                       | 4        | _         |          | 4  | <u> </u>       | 106        | Ш        | L        | ↓_             | <u> </u> | _  | _  |          | _        |               |
|                 | 7        | Ц       | 4       |          | _ | ╀  | 4          |          | _        | <del> </del> _ |          | Н                   | <u> </u>       | 4        | 57            | ~         | 1-  | 4       | +       | +         | -                       | 4        |           | +        | 4  | <b>├</b>       | 107        | 1        |          | <del> </del> — | <u> </u> | _  | <u> </u>   | $\dashv$ | -        |               |
| <b></b>         | 8        | H       | 4       | _        | _ | ╀  | +          |          | -        | ┞              | ╀        | $\vdash$            | -              | -        | 58            | 1         | ╀   | +       | +       | +         | +                       | $\dashv$ | -+        | -        | 4  | -              | 108        | H        | ⊢        | ┢              | H        | <u> </u>   | $\vdash$   | - 4      |          |               |
| $\vdash$        | 9        | H       | 4       |          | _ | ╀  | +          |          | ┝        | ⊢              | ╀        | Н                   | $\vdash$       | $\dashv$ | 59<br>60      | ₩         | ╀   | +       | +       | +         | +                       | ┥        | $\dashv$  |          | -  | <b>-</b>       | 109<br>110 | H        | ⊢        | ╁              | H        | ⊢  | ⊢  | $\dashv$ | $\dashv$ | _             |
|                 | 11       | H       | +       |          | _ | ╁  | +          |          | ┝        | ⊢              | ╁        | Н                   | $\vdash$       | ┥        | 61            | ₩         | ╀   | +       | +       | +         | -+                      | $\dashv$ | $\dashv$  | +        | ┨.   |                | 111        | Η,       | $\vdash$ | ⊢              | H        |  | ⊢  | $\dashv$ | $\dashv$ | _             |
| $\vdash$        | 12       | H       | +       |          | - | ╁  | +          |          | $\vdash$ | $\vdash$       | +        | Н                   | $\vdash$       | $\dashv$ | 62            | ╫         | +   | +       | +       | +         | ╅                       | ┥        | $\dashv$  |          | $\dashv$   |                | 112        | ~        | H        | $\vdash$       | $\vdash$ | $\vdash$   | -  |          | _        | _             |
| $\vdash$        | 13       | H       | +       |          | _ | +  | +          |          | ├        | $\vdash$       | +        | H                   | -              | $\dashv$ | 63            | ╫         | +   | +       | +       | +         | $\dashv$                |          |           | -        | ┨ :  | -              | 113        |          | -        | ╁              | $\vdash$ | $\vdash$   | <del>                                     </del> | $\vdash$ | _        | -             |
| $\vdash \vdash$ | 14       | H       | +       |          |   | +  | +          |          | -        | $\vdash$       | +-       | $\vdash$            | <u> </u>       | +        | 64            | #         | +   | +       | +       | 十         | +                       | $\dashv$ | $\dashv$  |          | 1  |                | 114        | Ť        | _        | $\vdash$       |          | $\vdash$   | $\vdash$   | $\dashv$ | $\dashv$ |               |
| $\vdash \dashv$ | 15       | H       | +       |          |   | t  | +          |          | $\vdash$ | t              | T        | Н                   |                | $\dashv$ | 65            | #         | +   | +       | +       | +         | $\dashv$                | 7        | $\dashv$  | $\dashv$ | 1  |                | 115        | H        | $\vdash$ | T              | Н        | $\vdash$   | $\vdash$   | $\vdash$ | $\neg$   | _             |
|                 | 16       | H       | †       |          | _ | †  | $\dagger$  | _        | $\vdash$ | 1              | $\top$   | ⇈                   |                | 7        | 66            | 11        | 1   | +       | +       | +         | 十                       | $\dashv$ | $\dashv$  | 一        | 1  |                | 116        | 1        | _        | 1              |          |  | П  | $\Box$   |          | $\exists$     |
| $\Box$          | 17       | IT      | +       |          |   | Τ  | †          |          |          | $\vdash$       | 1        | $\sqcap$            |                | 7        | 67            | J         | 1   | 1       | 1       | $\dagger$ | $\top$                  | 7        | 寸         | $\neg$   | 1  |                | 117        | T        |          | 1              |          |  |  |          |          | Ť             |
|                 | 18       | Ħ       | 1       |          |   | Τ  | T          |          |          |                | Τ        | П                   |                | ┪        | 68            | Ť         | T   | $\top$  | ┪       | 1         |                         | ٦        |           |          | 1  |                | 118        | T        |          |                |          |  |  |          |          |               |
|                 | 19       | П       | 1       |          |   | Т  | 7          |          |          |                | $\top$   | П                   |                |          | 69            | V         | 1   | $\top$  | $\top$  | 1         | T                       | 寸        | $\exists$ |          | 7  |                | 119        | ~        | r        |                |          |  |  |          |          |               |
|                 | 20       | П       |         |          |   |    |            |          |          |                |          |                     |                |          | 70            | ,         | Γ   | T       |         | Ι         |                         |          |           |          | ]  |                | 120        |          |          |                |          |  |  |          |          |               |
|                 | 21       | $\prod$ | -       |          |   | L  |            |          |          |                |          |                     |                |          | 71            | $\prod$   | L   | I       | $\perp$ | $\perp$   |                         |          |           |          |  |                | 121        |          |          |                |          |  |  |          |          |               |
|                 | 22       | Ц       | 1       |          |   | L  |            |          |          |                |          | Ш                   |                |          | 72            | Ц         | L   | ┸       | $\perp$ | ┸         | $\perp$                 |          | _         | $\perp$  | ╛  | L_             | 122        |          | _        | L              |          |  |  |          | _        |               |
|                 | 23       | $\leq$  | 1       |          |   | L  | _          |          |          | _              | Ŀ        | Ш                   |                | 4        | 73            | Ш         | L   | $\perp$ |         | 1         | 4                       | $\perp$  | _         |          | ا ا  |                | 123        |          | L        | _              |          |  |  |          |          |               |
|                 | 24       | L       | 4       | _        |   | ╀  | 4          |          | _        | <u> </u>       | 1        | Ш                   | <u> </u>       | 4        | 74            | Ц.        | 1   | 4       | _       | 4         | 4                       | 4        | _         |          | 4  |                | 124        |          | _        | $\vdash$       | <u> </u> | _  |  |          | _        |               |
|                 | 25       | ļ.,     | -Į      | _        |   | ╀  | 4          |          |          | _              | ╀        | Ш                   | ļ              | 4        | 75            | 1         | Ļ   | +       | $\perp$ | 4         | $\perp$                 | 4        |           | -        | -  | ·              | 125        |          | _        | <u> </u>       |          | _  | <u> </u>   | _        |          |               |
|                 | 26       | 1       | -       |          |   | ╀  | 4          |          | _        | ⊢              | ₩        | Н                   | -              | 4        | 76            | ~         | ╀   | +       | +       | +         | +                       | $\dashv$ |           | +        | -  | <b>├</b>       | 126        |          |          |                | _        | $\vdash$   |  |          |          |               |
| <del></del>     | 27       | _       | _       |          | _ | ╀  | +          |          |          | -              | ┼—       | $\vdash$            | -              | 4        | 77<br>78      | ١.,       | ╁   | ÷       | +       | +         | +                       | +        |           | +        | -  | -              | 127<br>128 | _        | ⊢        | ⊢              | H        | $\vdash$   |  | $\dashv$ | $\dashv$ |               |
|                 | 28<br>29 | 7.1     | _       | _        | · | ╀  | +          | _        | _        | -              | ╁        | $\vdash$            | $\vdash$       | $\dashv$ | <del>78</del> | <b>×</b>  | ╁   | ╁       | +-      | +         | +                       | $\dashv$ | $\dashv$  | $\dashv$ | ┨  | -              | 129        | _        | -        | ╁              | -        | $\vdash$   | H  | -        | $\dashv$ | $\dashv$      |
|                 | 30       | ٦       | Ť       | _        |   | ╀  | +          | _        |          | -              | ╁        | Н                   |                | $\dashv$ | 80            | H         | ╁   | +       | ╫       | ┿         | +                       | $\dashv$ | $\dashv$  | $\dashv$ | ┨ '  | · <del> </del> | 130        |          |          | ╁              | $\vdash$ | H  | -  | $\dashv$ | $\dashv$ | -             |
|                 | 31       | Н       | +       | -        | _ | ╁  | ╅          | -        | -        | ┼─             | ╁        | Н                   | $\vdash$       | $\dashv$ | 81            | Н         | ╁   | ╁       | +       | ╁         | +                       | $\dashv$ | -         |          | -  | -              | 131        |          | ┢        | $\vdash$       | $\vdash$ | -  |  | -        | $\dashv$ | _             |
| $\vdash$        | 32       | H       | t       |          |   | t  | +          | -        |          | $\vdash$       | +        | $\vdash$            | -              | 1        | 82            | Н         | ╁╴  | +       | ╁       | +         | -                       | $\dashv$ | ┪         |          | 1  | -              | 132        |          | ┢        | $\vdash$       | -        |  |  | $\dashv$ | $\dashv$ | _             |
| $\vdash$        | 33       | H       | †       |          | _ | t  | +          |          | -        |                | +        | Н                   |                | ┪        | 83            | H         | t   | +       | +       | +         | $\top$                  | ┪        | $\dashv$  | $\dashv$ | ┨  |                | 133        | _        | <u> </u> | -              | $\vdash$ | Н  |  |          |          |               |
|                 | 34       | H       | †       |          |   | T  | $\dagger$  |          | H        | _              | $t^-$    | $\vdash$            | <b>—</b>       | 7        | 84            | H         | t   | $^{+}$  | $\top$  | 十         | +                       | 7        | $\dashv$  | $\dashv$ | 1  |                | 134        | _        |          | T              |          |  |  | $\dashv$ | $\dashv$ | _             |
|                 | 35       | П       | Ť       |          |   | T  | $\top$     |          | -        |                | 1        | П                   |                | $\dashv$ | 85            | П         | T   | T       | ┪       | 1         | $\top$                  | $\dashv$ | 寸         | $\top$   | 1  |                | 135        |          |          | Π              |          |  |  |          | 一        | $\overline{}$ |
|                 | 36       | П       | 1       |          |   | T  | 7          | -        |          |                | T        | П                   |                |          | 86            | Ħ         | Τ   |         | 1       | _         | $\top$                  | 7        | 寸         | $\neg$   | 7  |                | 136        |          |          |                |          |  |  |          |          | _             |
|                 | 37       |         | I       |          |   | Ŀ  |            |          |          |                |          |                     |                |          | 87            | $\coprod$ | Ī   | Ι       | Ι       | I         |                         | I        |           | $\Box$   |  |                | 137        |          |          |                |          |  |  |          |          |               |
|                 | 38       |         | $\prod$ |          |   | Γ  | brack T    |          |          |                |          |                     |                | $\Box$   | 88            | $\coprod$ |     | I       | $\perp$ | Ι         | $oldsymbol{\mathbb{I}}$ |          |           |          |  |                | 138        |          |          |                | Ŀ        |  |  |          |          |               |
|                 | 39       | Ц       | Ц       |          |   | L  | Ţ          |          |          | Ĺ              |          | Ш                   |                | $\perp$  | 89            | Ш         | L   | $\perp$ | 1       | $\perp$   | $\perp$                 | $\Box$   | _]        |          |  |                | 139        |          |          |                |          |  |  |          |          |               |
| $oxed{oxed}$    | 40       | Ц       | 1       |          |   | L  | 1          |          | _        |                |          | Ш                   | <u> </u>       | _[       | 90            | Ш         | L   | 1       | J.      | 1         | 1                       | _[       | $\bot$    |          | 1  |                | 140        | _        | L        | <u> </u>       |          |  | Ш  | Ц        | _        |               |
| $oxed{igspace}$ | 41       | Ц       | 4       |          |   | L  | 4          | _        | _        | L              | <u> </u> | Ш                   | <u> </u>       | 4        | 91            | Щ         | L   | 1       | 4       | ╀         | _                       | _ļ       | _         |          | 1  |                | 141        | <u> </u> | <u> </u> | <b>—</b>       | Щ        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$  | Щ  | Ц        | _        |               |
| <b>  </b>       | 42       | Ц       | 4       |          |   | ╀  | 4          | _        |          | L              | ┞-       | Ш                   | <u> </u>       | 4        | 92            | #         | 1   | +       | - -     | 4         | +                       | 4        | _         |          | 4  |                | 142        | _        | <u> </u> | ــــ           | <u> </u> | <u> </u>   | Щ  |          | _        |               |
| dash            | 43       | 4       | +       | _        |   | ╀  | 4          |          | _        | <del> </del>   | ₽-       | Н                   | <u> </u>       | 4        | 93            | 4         | ╀   | +-      | +       | +         | - -                     | 4        |           |          | 4  |                | 143        |          | $\vdash$ | <u> </u>       | <u> </u> | <u> </u>   | Н  | $\dashv$ | 4        | _             |
|                 | 44       | #       | 4       | _        |   | +  | 4          | 4        |          | L              | ╁        | ⊢                   |                | -        | 94            | 4         | ╀   | +       | +       | +         | -                       | _        | _+        | -        | 4  |                | 144        | _        | ⊢        | ₩              | <u> </u> | ├-   | H  | $\dashv$ | 4        | _             |
|                 | 45<br>46 | #       | +       | 4        | _ | ╀  | +          |          | _        | ⊢              | ╀        | ⊢┤                  | -              | 4        | 95<br>96      | ╫         | ╀   | +       | +-      | +         |                         | 4        |           |          | -  |                | 145<br>146 | _        | ⊢        | ⊢              | -        | <u> </u>   | $\vdash$   | $\dashv$ | $\dashv$ | _             |
| $\vdash$        | 47       | +       | +       |          |   | ╀  | +          | -        |          | ⊢              | ╁        | Н                   | -              | +        | 96            | H         | ╀   | +       | +       | +         | +                       | 4        | $\dashv$  |          | +  | -              | 147        | <u> </u> | ├        | ₩              | $\vdash$ | $\vdash$   | -  |          | -        |               |
|                 | 48       | +       | +       | -        | _ | ╁  | +          | -        | _        | -              | +-       | Н                   | $\vdash$       | +        | 98            | H         | ╁   | +       | +       | +         | +                       | +        | $\dashv$  | -+       | ┨  | -              | 148        | -        | $\vdash$ | ╁              | $\vdash$ | H  | H  | $\dashv$ | $\dashv$ | -             |
|                 |          | +       | +       | $\dashv$ |   | ╁╴ | +          | $\dashv$ |          | $\vdash$       | +        | ╁┤                  | -              | +        | 99            | H         | ╁   | +       | +       | +         | +                       | +        | +         | -+-      | ┨  | -              | 149        |          | $\vdash$ | +-             |          | H  | $\vdash$   | $\dashv$ | $\dashv$ | -             |
|                 |          | =       | ╁       | $\dashv$ |   | ╁╌ | +          | $\dashv$ |          | -              |          | Н                   |                | +        | 100           |           | ╀   | +       | +       | +         | +                       | $\dashv$ | $\dashv$  | +        | ┨  | -              | 150        |          | $\vdash$ | ╁╌             | $\vdash$ | $\vdash$   | $\vdash$   | $\dashv$ | $\dashv$ | -             |
|                 | 50       | Ц       | Т       |          |   | Ц. | ᆚ          |          |          | Ц              | L.       | $oldsymbol{\sqcup}$ |                |          | 100           | A         | Ļ   |         | ┸       | L         |                         |          |           |          | J  |                | 130        |          | L        | 1              |          | $ldsymbol{ld}}}}}}}}}$ | L.,  | 1        |          |               |